

# CENTRAL EVERGLADES PLANNING PROJECT



## Governing Board Update

PRESENTED BY

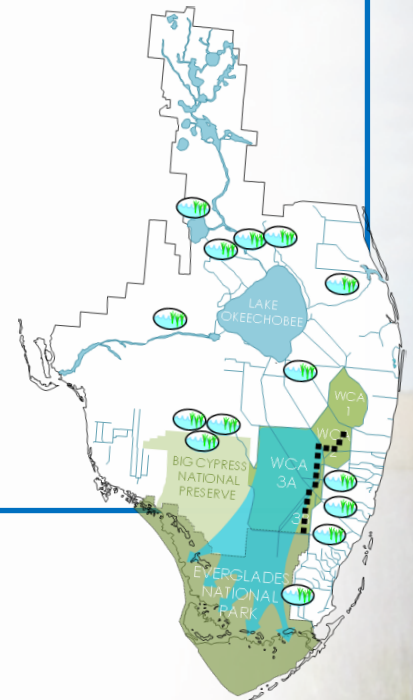
Tom Teets,  
Office of Everglades Policy and  
Coordination

July 12, 2012

# TOPICS

- Overview and Study Status
- South of the Redline Screening
- Next Steps

# Overview and Study Status

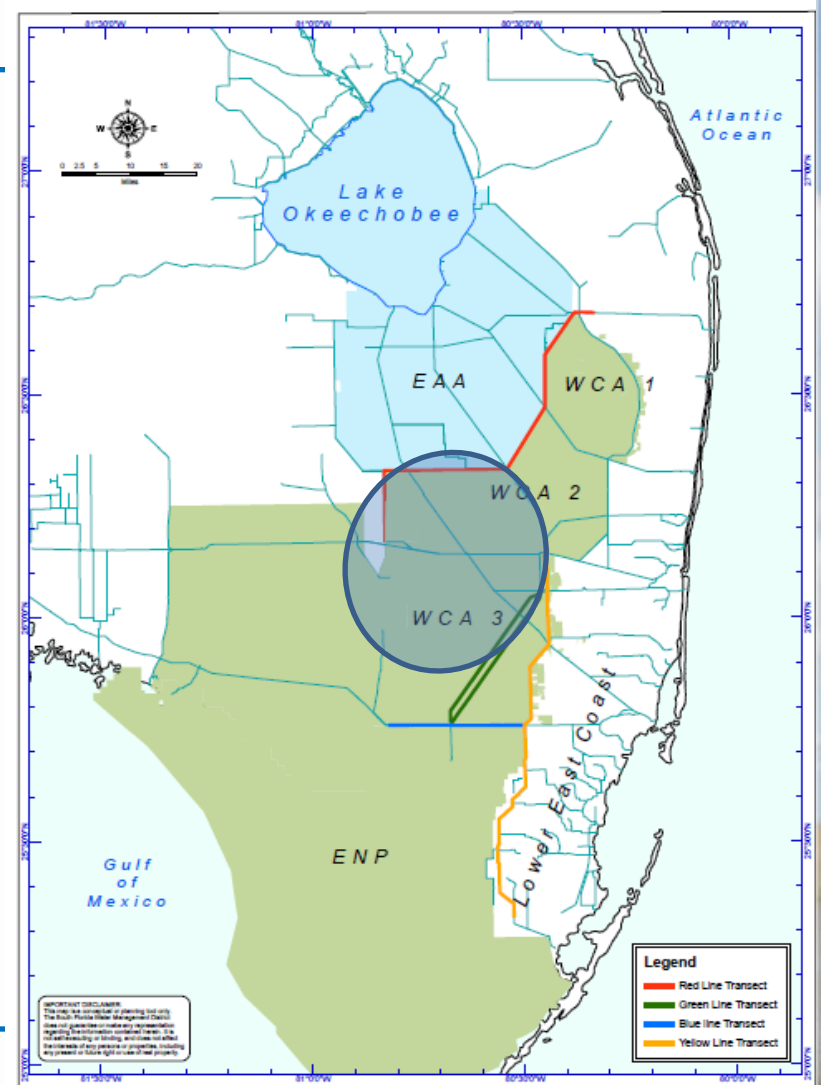


# UPDATE OF CEPP ACTIVITIES

- Working Group Sponsored Workshop – June 26
  - ▶ Lake Okeechobee and Estuary Screening Discussion
  - ▶ Lake Okeechobee Simulation Scenarios
  
- Project Delivery Team Meeting – July 2 & 3
  - ▶ Draft Screening Results
  - ▶ South of the Redline Formulation Framework, Screening Evaluation Approach and Criteria.



# South of the Redline Screening



# SOUTH OF REDLINE FORMULATION PROCESS

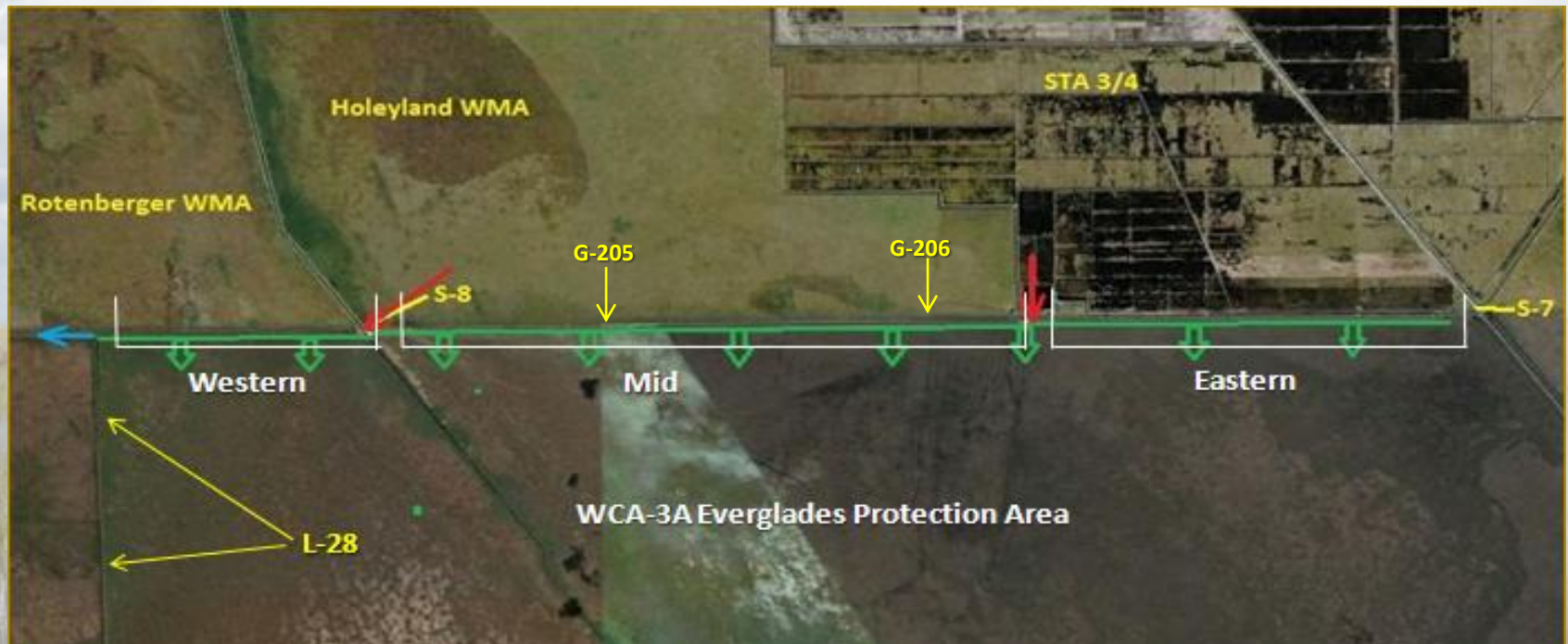
- Builds on previous CERP planning and modeling efforts.
- Incorporates updated baseline conditions and stakeholder concepts and concerns to formulate new and modified WCA 3A Hydropattern Restoration Feature (HRF) and Miami canal backfilling options.
- Identifies cost effective options to include in the final array.

# MAIN FEATURES IN WATER CONSERVATION AREA 3A

- Hydropattern Restoration Feature (HRF):
  - ▶ Located directly south of Rotenberger, Holey Land, and STA 3/4
  - ▶ Will aid in rehydrating the dry portions of northern WCA 3A
- Miami Canal Backfilling
  - ▶ Will re-establish sheetflow and natural hydrology as well as decrease ponding

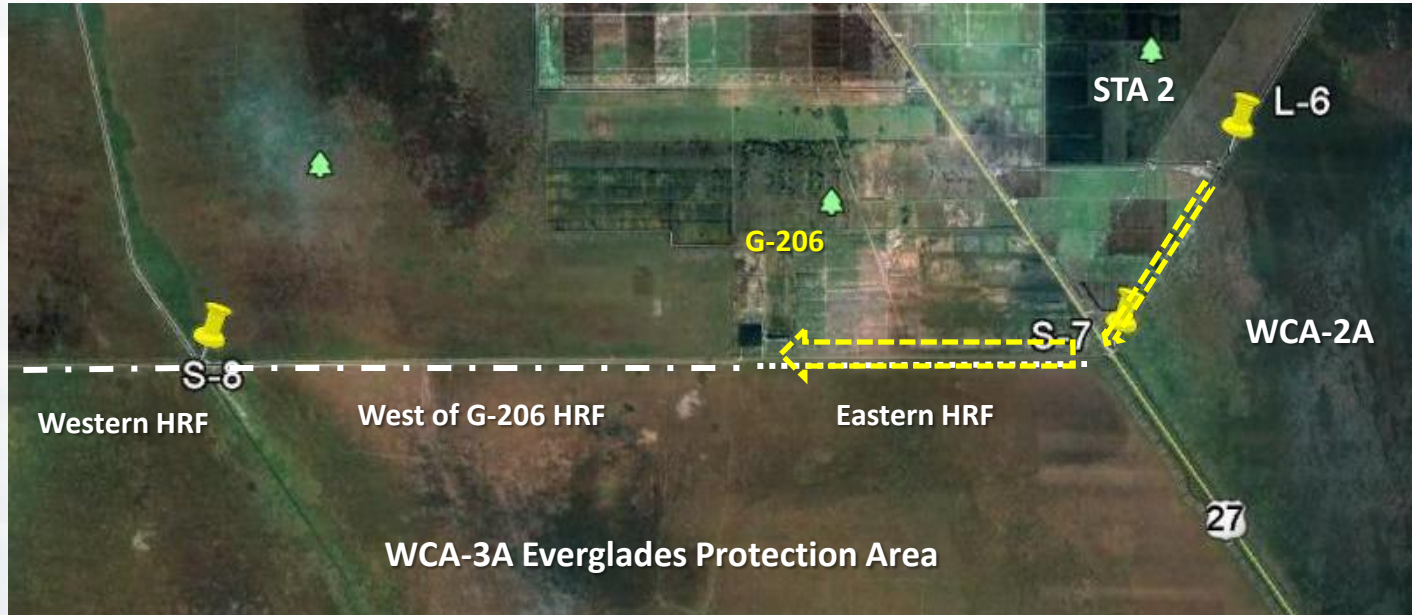
# HYDROPATTERN RESTORATION FEATURE

- Options for further consideration:
  - ▶ Full Hydropattern Restoration Feature
  - ▶ Hydropattern Restoration Feature West of G-206





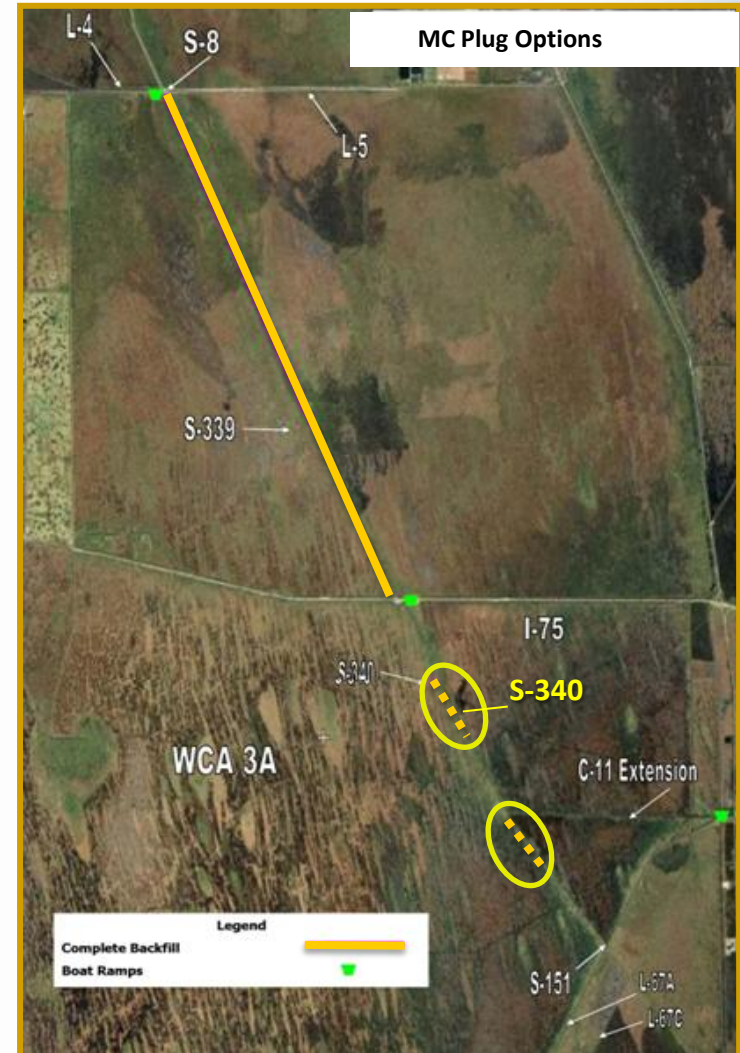
# STA-2 AND S-7 FLOW REDIRECTION



Redirect current Compartment B/STA 2 outflows to the potential WCA 3A Hydropattern Restoration Feature.

# MIAMI CANAL BACKFILL OPTIONS

- Complete backfill North of I-75
  - ▶ High performing
- Complete backfill South of I-75
  - ▶ Performs well, but eliminated due to stakeholder feedback and cost
- Plugs south of I-75:
  - ▶ Enhances ecological performance and achieves hydrologic goals
  - ▶ Performs hydrologically similar to a full backfill option; yet by relying on on-site fill, costs substantially less.





# C-11 EXTENSION GAPPING OPTIONS

Gap both spoil mounds



Remove northern spoil mound, gap southern spoil mound



# OPTIONS FOR FURTHER REGIONAL SIMULATION MODEL SCREENING

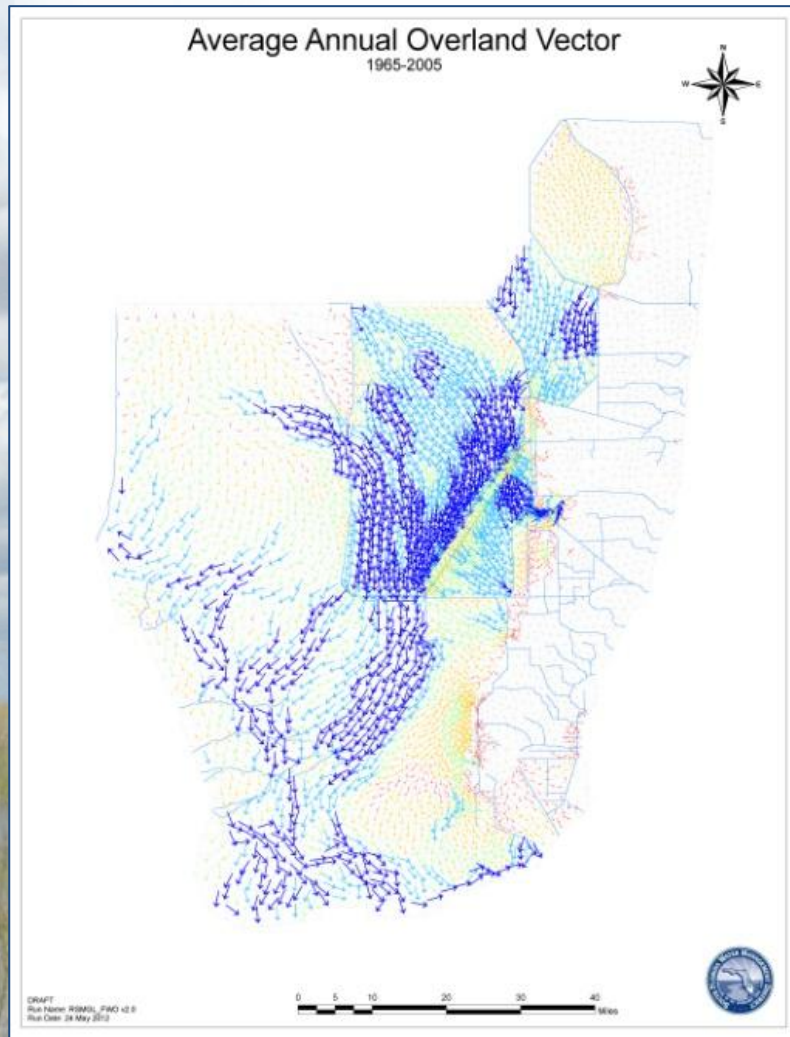
- Four combinations of HRF, Miami Canal Backfilling, L-6 deliveries (S-7 and S-11 Options) and C-11 Ext features were identified to be modeled to further inform the decision about what options to included in the final array.

<u>Option</u>	<u>HRF</u>	<u>Miami Canal</u>	<u>C-11 Ext</u>	<u>L-6 Deliveries</u>
4a	West G-206	North I-75	Gapping (100')	Without
6a	West G-206	North I-75, Plug around S-340, Plug south of C-11	Removal of spoil north of C-11ext, Gapping South of C-11ext	Without
7a	Full	North I-75	Gapping (100')	Without
7b	Full	North I-75	Gapping (100')	With

- *Operations have not yet been identified.*
- *Quantity of water and required infrastructure to deliver L-6 water to WCA 3A HRF have not yet been identified.*



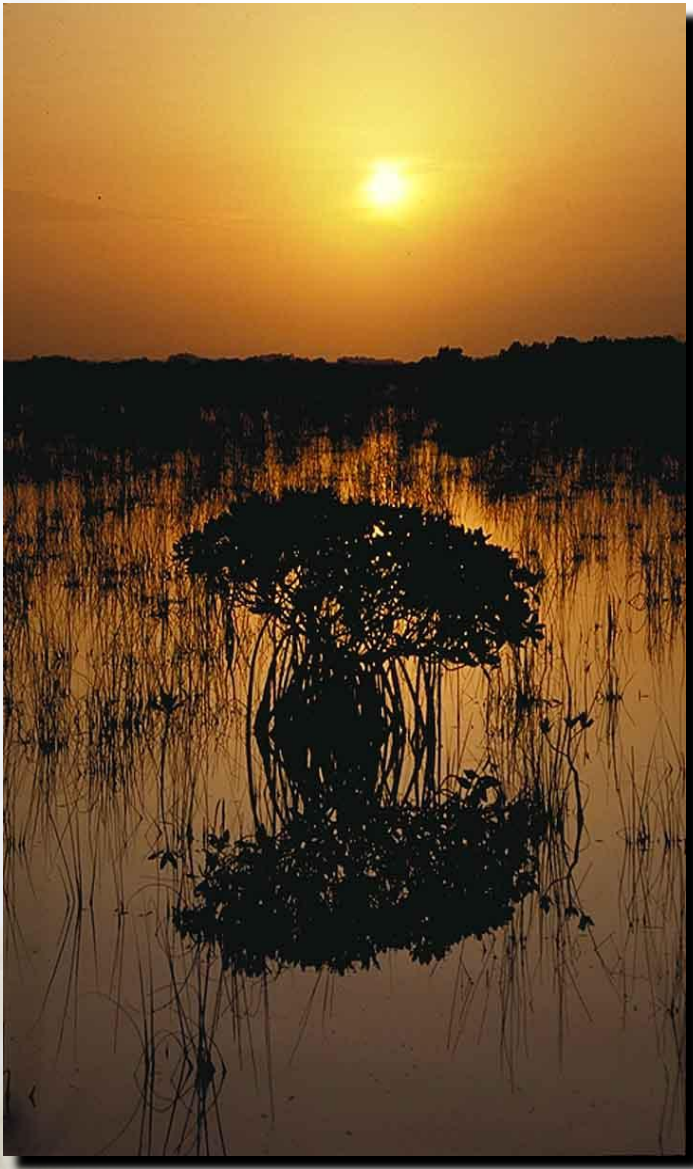
# EXAMPLES OF REGIONAL SIMULATION MODEL (RSM) OUTPUT



- Overland Flow Vector Maps
- Sheetflow in the Ridge and Slough Landscape
- Soil Oxidation
- Ponding Depth Maps

# NEXT STEPS

- Conduct screening analysis South of the Redline (area within WCA 3A/3B)
  - ▶ Incorporate options for spreading water across WCA 3A and Miami Canal backfilling from previous CERP planning efforts
- Initiate screening for flows from WCA 3A/ 3B into Everglades National Park
- Continue public participation through South Florida Ecosystem Task Force workshops



# Questions?